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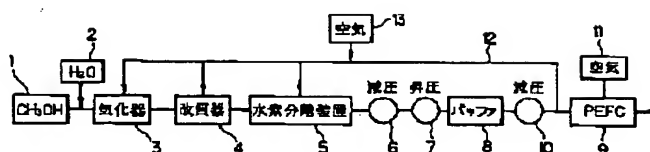
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TITLE : POWER GENERATING METHOD,
POWER GENERATING DEVICE, AND
AUTOMOBILE LOADED WITH POWER
GENERATING DEVICE



ABSTRACT : PURPOSE: To provide a power generating device which is conformable to a sudden load fluctuation and requires no auxiliary device such as high output battery at starting by providing a buffer means and a means for supplying a fuel of fixed pressure from the buffer means to a fuel cell.

CONSTITUTION: Methanol 1 is mixed with water 2 and evaporated in an evaporator 3, and the evaporated methanol and steam are guided into a reformer 4 to generate a reformed gas consisting of hydrogen, carbon monoxide, and carbon dioxide. The reformed gas is then supplied to a hydrogen separating device 5 consisting of a hydrogen separating film to separate only hydrogen gas from the other gases, and the resulting hydrogen gas is stored in a buffer device 8 through a pressure reducing device 6 and a pressure raising device 7. The hydrogen stored in the device 8 is supplied to a solid polymer electrolytic fuel cell 9, with a prescribed quantity and prescribed pressure, through a hydrogen supplying device 10 such as a pressure reducing valve as the fuel of the cell 9. Thus, the supplying gas pressure to the cell 9 is stabilized, and conformable to a sudden load fluctuation, and a high output battery at starting can be dispensed with.

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